



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010465
CERTIFICATION DATE: October 2, 2013
DATE RECERTIFICATION DUE: March 31, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Melissa Kennedy

Program Manager, Calibration & Training

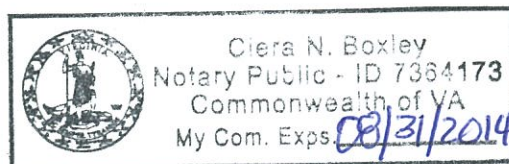
CITY OF RICHMOND

COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 9th day of October, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014
TLN



DBH
MSK

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 10/4/2013**

Instrument Serial Number: 010465	As of 04-Oct-13
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Maintenance Date	Certification Date	Technician Initials	Remarks
02-Oct-13	02-Oct-13	DBH (21250)	CERTIFIED.
09-Sep-13	09-Sep-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
17-Apr-13	17-Apr-13	DBH (21250)	CERTIFIED.
04-Dec-12	04-Dec-12	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
24-May-12	24-May-12	DBH (21250)	CERTIFIED
11-May-12	07-Dec-11	DBH (21250)	REPLACED DRY GAS STANDARD.
07-Dec-11	07-Dec-11	DBH (21250)	CERTIFIED, REPLACED DRY GAS STANDARD.
22-Nov-11	20-Jun-11	SED (24178)	REESTABLISHED PROPER PHONE LINE CONNECTION.
20-Jun-11	20-Jun-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
30-Dec-10	30-Dec-10	DBH (21250)	REPLACED PRINTER RIBBON, REPLACED DRY GAS STANDARD, CERTIFIED
19-Jul-10	19-Jul-10	DBH (21250)	CERTIFIED
11-Jun-10	23-Feb-10	DBH (21250)	REPLACED DRY GAS STANDARD
09-Apr-10	23-Feb-10	DBH (21250)	MOVED INSTRUMENT TO A DIFFERENT LOCATION IN THE ROOM
23-Feb-10	23-Feb-10	DBH (21250)	CERTIFIED
10-Nov-09	10-Nov-09	NMJ (22392)	REPLACED TANK TOP LID, CERTIFIED.
10-Apr-09	10-Apr-09	RJP (22428)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
18-Nov-08	18-Nov-08	RJP (22428)	CERTIFIED.
23-Oct-08	23-Oct-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH
NSK

INTOX EC/IR II

Quality Assurance Worksheet

Instrument Serial Number 010465 Worksheet Start Date 10/2/2013

Location Virginia Beach 2nd

Address 820 Virginia Beach Blvd Virginia Beach VA 23451

DFS Technician Donald Hall License No. 21250

☐ Laboratory ☒ On-Site

Site Specifications

Yes No

1 Secured Environment:

Location must not be accessible to the general public.

☒ ☐

2 Environment free from contaminants

☒ ☐

3 Dedicated telephone line:

The phone line should be used solely by the instrument.

☒ ☐

4 Adequate Ventilation:

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

5 Stable temperature controls:

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

6 115VAC power source:

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

7 Room Condition:

The site should be free of excessive moisture, heat and dust.

☒ ☐

Old serial no.

E-Seek
Keyboard
Printer
UPS

New serial no.

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:

100

Maintenance (if any)

Comments (if any)

Instrument Serial Number 010465

Certification Date 10/2/2013

Instrument Barometer (mm HG) 763

Reference Barometer (mm HG) 764

Reference Barometer(RB)Serial # 009110

RB Calibration Due 5/30/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.252
0.250	0.251	0.243	0.258	Sample 2	0.251
Precision		sample min	sample max	Sample 3	0.250
0.002		0.250	0.252		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.151
0.150	0.151	0.146	0.155	Sample 2	0.151
Precision		sample min	sample max	Sample 3	0.151
0		0.151	0.151		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.081
0.080	0.080	0.077	0.083	Sample 2	0.081
Precision		sample min	sample max	Sample 3	0.081
0		0.081	0.081		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☐ Calibrated☒ Certified☐ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG316301-26

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.100
0.100	0.100	0.097	0.103	Sample 2	0.100
Precision		sample min	sample max	Sample 3	0.100
0		0.100	0.100		

DFS Technician

Donald B Hall

Date

10/4/13

Issuing Analyst

Melissa Kennedy

Date

10/7/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

TLN

DFS Document 250-F113

Revision 6

Page 2 of 2

Intox EC/1R-11: Certification

Department of Forensic Science

Serial Number: 010465 Test Number: 2402
Test Date: 10/02/2013 Test Time: 15:17 EDT

Technician Initials: DBH

Dry Gas Target: 0.251

Lot Number: 2961225012-10 Exp Date: 11/01/2014

Tank Pressure: 203 psi Barometric Pressure: 763 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:17
BLK	0.000	15:18
CHK	0.252	15:19
BLK	0.000	15:20
CHK	0.251	15:21
BLK	0.000	15:22
CHK	0.250	15:24
BLK	0.000	15:25

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

Intox EC/1R-11: Certification

Department of Forensic Science

Serial Number: 010465 Test Number: 2403
Test Date: 10/02/2013 Test Time: 15:27 EDT

Technician Initials: DBH

Dry Gas Target: 0.151

Lot Number: 2951215012-03 Exp Date: 11/01/2014

Tank Pressure: 914 psi Barometric Pressure: 763 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:28
BLK	0.000	15:29
CHK	0.151	15:29
BLK	0.000	15:31
CHK	0.151	15:32
BLK	0.000	15:33
CHK	0.151	15:34
BLK	0.000	15:35

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

NDL

Intox EC/1R-11: Certification

Department of Forensic Science

Serial Number: 010465 Test Number: 2404
Test Date: 10/02/2013 Test Time: 15:38 EDT

Technician Initials: DBH

Dry Gas Target: 0.080

Lot Number: 0651208012-03 Exp Date: 04/01/2014

Tank Pressure: 169 psi Barometric Pressure: 763 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:39
BLK	0.000	15:40
CHK	0.081	15:41
BLK	0.000	15:42
CHK	0.081	15:43
BLK	0.000	15:44
CHK	0.081	15:45
BLK	0.000	15:46

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

Intox EC/IR-11: Certification

Department of Forensic Science

Serial Number: 010465 Test Number: 2405
Test Date: 10/02/2013 Test Time: 15:48 EDT

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0651202011-05 Exp Date: 04/01/2014

Tank Pressure: 85 psi Barometric Pressure: 763 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:49
BLK	0.000	15:49
CHK	0.019	15:50
BLK	0.000	15:51
CHK	0.019	15:52
BLK	0.000	15:53
CHK	0.019	15:54
BLK	0.000	15:56

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/1R-11: Accuracy Check

Department of Forensic Science

Serial Number: 010465 Test Number: 2406

Test Date: 10/02/2013 Test Time: 15:58 EDT

Dry Gas Target: 0.301

Lot Number: AG322702-04 Exp Date: 08/15/2015

Tank Pressure: 218 psi Barometric Pressure: 762 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	15:59
CHK	0.305	16:00
BLK	0.000	16:01
CHK	0.305	16:02
BLK	0.000	16:04
CHK	0.304	16:05

Test Status: Success

Calibration CRC: FC317593

DBH

WDL

DBH

WHL

Intox EC/IR-11: Accuracy Check

Department of Forensic Science

Serial Number: 010465 Test Number: 2407

Test Date: 10/02/2013 Test Time: 16:07 EDT

Dry Gas Target: 0.100

Lot Number: AG316301-26 Exp Date: 06/12/2015

Tank Pressure: 1031 psi Barometric Pressure: 762 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	16:08
CHK	0.100	16:09
BLK	0.000	16:11
CHK	0.100	16:11
BLK	0.000	16:13
CHK	0.100	16:14

Test Status: *Success*

Calibration CRC: FC317593

DBH
WBL




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 10/02/2013
TEST EQUIPMENT NUMBER 010465		

RESULTS: TIME SAMPLE TAKEN 16:22 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 03 Oct 2013 at 10:50

DBH

WHL

Test Results

Instrument Serial Number 010465

Test # 002408 Subject Test

Test Location 1 Department of
Test Date 02 Oct 2013

Test Location 2 Forensic Science
Test Time 16:15
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B
License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 02 Oct 2013 End Time 16:23

Result Time 16:22

Result Date 02 Oct 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 16:16

Data Type BLK

Sample Value 0.000

Sample Time 16:17

Data Type CHK

Sample Value 0.100

Sample Time 16:17

Data Type BLK

Sample Value 0.000

Sample Time 16:19

Data Type SUBJ

Sample Value 0.000

Sample Time 16:19

Data Type BLK

Sample Value 0.000

Sample Time 16:20

Data Type SUBJ

Sample Value 0.000

Sample Time 16:22

Data Type BLK

Sample Value 0.000

Sample Time 16:23

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG316301-26

Standard Expiration Date 06/12/2015

Tank Pressure 1026

Barometric Pressure 762 mmHg

Blow Sample Number 1 Blow Duration 3.07 sec

Blow Volume 1804 cc End-of-Blow Time 16:19

Blow Sample Number 2 Blow Duration 3.57 sec

Blow Volume 1891 cc End-of-Blow Time 16:22

Tamper Evident Stamp 606c3ed0

Test Status Code 0

Test Status Success